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TRENT UNIVERSITY

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Brief  
to the  
Committee on  
University Affairs

APPENDICES

December 1970






TRENT UNIVERSITY

BRIEF TO THE COMMITTEE ON UNIVERSITY AFFAIRS

DECEMBER, 1970

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Trent University

The Operating Budget to Emergence

T. E. W. Nind

October 1970

In his letter of 31 March 1970 to President Symons, the Minister of University Affairs indicated the magnitude of the emergence factors that would be made available to Trent University from the 1970/71 academic year to the point of emergence, which was taken as a total weighted enrolment in a twelve-month period (i.e. including summer school) of 4000 units or the academic year 1976/77, whichever came earlier.

It should be noted that, at an average weighting of 1.2, the figure of 4000 is equivalent to 3333 students, which is close to the presently planned ultimate size of Trent University, namely between 3500 and 4500 students.

The present paper is an analysis of the implications of the Minister's suggestions concerning the emergence factor. Although these suggestions appear simple in that the emergence factor decreases linearly with weighted enrolment, in fact detailed analysis shows that the net results are not linear, but parabolic, so that maxima or minima are achieved in such relevant parameters as total operating income,





student/faculty ratio, and total numbers of faculty, and that these maxima and minima in fact occur at less than 4000 units of weighted enrolment.

A glance at Figure 1 shows the maximum in operating income occurring at 3760 units, and Figure 2 illustrates the rapidly decreasing income to be expected, prior to emergence, per unit increase in weighted enrolment. In Figures 7 and 8, the curve labelled  $b = \$722$  represents continuation of Trent's present standards of operation, while the curve labelled  $b = \$500$  corresponds to what may be regarded as the maximum cutback that it might be possible to achieve in those standards. Figure 7 illustrates that the minimum for student/faculty ratios has already been passed and that these ratios can be expected to rise to between 28 to 1 and 34 to 1 at emergence. Almost more seriously, Figure 8 points up the fact that the total number of faculty will reach a maximum in 1972/73 or 1973/74 and that the number that the university will be able to afford at emergence is in fact less than the number to be employed in 1970/71, despite a doubling in enrolment. (It should be mentioned that an allowance for leaves has been made throughout, so the faculty numbers refer to effective faculty on the campus in any given year.)

Throughout the paper the work has been carried forward in terms of 1971 dollars, and it has been assumed



that the value of the basic income unit will rise to keep pace with the overall level of rising costs. On only one point is it argued that the costs to the university will rise more rapidly than the overall cost of living: Figures 7 and 8 assume a real increase in average faculty salaries of approximately 4% p.a.

The conclusions of the paper are

- (i) that Trent University must make every effort to reduce the level of its related costs below the current and estimated figure of \$722 per unit increase in weighted enrolment
- (ii) that the financial picture for Trent University for 1970/71 and 1971/72 looks reasonable
- (iii) that projected operating grants for 1972/73 will lead to some difficulty (overall student/faculty ratios of about 16:1)
- (iv) that from that year to emergence there seems to be no way in which the university can carry forward its presently developing programme and teaching methods unless a major alleviation in the emergence factors can be satisfactorily negotiated, or unless there is a marked change in the formula.





Finally a recommendation is made that work be carried out for other Ontario universities to study the suitability of a revised formula for the entire system. Such a formula would appear to be more appropriate than the present weighting system for the Trent operation. In essence, the suggestion is that the operating grants formula for any university be made up of a grant independent of student enrolment, together with a grant that would be proportional to such enrolment. The factors of proportionality would depend on the academic programmes.

#### The Emergence Grant Equation

The emergence factor established for Brock, Laurentian and Trent by the CUA and DUA and referred to in the letter from the Minister of University Affairs to President T. H. B. Symons, dated 31 March 1970 is linear between an emergence factor of unity at 500 units, and an emergence factor of zero at 4000 units. The equation of this line is

$$E.F. = 1.1428 - 0.0002857N \quad (N \leq 4000) \quad (1)$$

where N is the weighted enrolment.

Assuming that the fee portion of the operating income balances the cut for fees in unit income, then the income, I, to the university, expressed in terms of the basic income unit, i, is, prior to emergence,





$$I/i = 2.1428N - 0.0002857N^2 \quad (2)$$

Analysis of this expression shows that  $I/i$  reaches a maximum when  $N = 3760$ , that is before emergence is reached. The value of  $I/i$  as a function of  $N$ , the weighted enrolment, is shown graphically in Figure 1.

From equation (2), the income (in terms of the BIU) per additional unit of weighted enrolment is  $(2.1428 - 0.0005714N)$  and values of this expression are shown in Figure 2. At and after emergence, the value of this factor is unity. Figure 2 points up the severe financial squeeze that a new university faces as it approaches the point of emergence.

#### An Analysis of Trent University's 1969 and 1970 Five-Year Forecasts

Table 1 is a calculation, based on the estimates of the November 1969 submission to CUA, of related costs, that is of all operating cost items excluding direct faculty costs. These direct faculty costs are taken to be salaries (calculated in the submission at an average level of \$13,800: 1969 dollars), staff benefits, and the allowance for sabbatical leaves.

The plot of projected related costs against weighted enrolment (unit count) is shown in Figure 3 from which it



appears that, over the period of the forecast, and based on the assumptions and working guides of the November 1969 submission,

$$C = 2,750,000 + (2000/3)(N - 1750) \quad (3)$$

where  $C$  = related costs (1969 dollars)

$N$  = weighted enrolment

In terms of 1971 dollars, and allowing for a 5% inflation rate per annum, equation (3) becomes

$$C = 1,746,000 + 735N \quad (4)$$

Table 2 is similar to Table 1, except that it is based on preliminary figures for the December 1970 submission to CUA, and is in terms of 1971 dollars. Results from Table 2 are plotted on Figure 4, and again show a linear relationship, the equation of the line being

$$C = 1,912,000 + 722N \quad (5)$$

or  $C = 3,500,000 + 722(N - 2200) \quad (5A)$

It may be noted that the weighted enrolment projected for 1975/76 is 3740 from the winter programme and 225 from the summer programme, making 3965 in all. That is present plans lead, to all intents and purposes, to the 'emergence' weighted enrolment of 4000 in 1975/76. It follows that related costs are expected to rise linearly with weighted enrolment from today forward to 'emergence'.





It may also be noted that equation (5) predicts virtually the same related costs at 4000 units as does equation (4) -- \$4,800,000 as opposed to \$4,700,000, in 1971 dollars.

In order to lend a degree of generality to the subsequent discussion, it will be assumed that in the future (that is from the weighted enrolment of 2200 -- Figure 4), and up to the point of emergence, the related costs may be expressed in the form

$$C = 3,500,000 + b(N - 2200) \quad (6)$$

where C is in 1971 dollars. In figure 4, lines are shown for values of b of 0, \$250 and \$500, in addition to the projected figure of \$722.

#### Implications of the Emergence Grant Equation

It will be noted from Table 2 that the ratio of projected winter weighted enrolment to projected winter full-time equivalent students remains fairly steady about a value of 1.22. Hence, at a weighted enrolment of N, the number of FTE students is  $N/1.22$ .

In order to operate with a balance budget, direct faculty costs plus related costs must equal the operating income. If r is the student/faculty ratio, and f is the average faculty salary (including benefits and sabbaticals





allowance), the break-even equation prior to emergence is

$$\begin{aligned} & Nf/(1.22r) + 3,500,000 + b(N - 2200) \\ & = (2.1428N - 0.0002857N^2)i \end{aligned} \quad (7)$$

from equations 6 and 2.

Equation 7 may be written

$$f/r = (2.61i - 1.22b) - 0.000349iN - \frac{4,270,000 - 2684b}{N} \quad (8)$$

From a university and faculty view, the values of (f/r), that is average faculty salary divided by student/faculty ratio, should always be as large as possible, and, ideally, should increase. The value of N corresponding to a maximum in (f/r) is readily found from Equation 8, and, using the 1971/72 figure of \$1730 for i, it is easily shown that the decline in (f/r) has already commenced, and that the rate of decline is increasing.

It is anticipated that the 1971/72 average salary will be of the order of \$15,600 (1971 dollars), and combining this figure with a 9% allowance for staff benefits and a 7% allowance for leaves results in a value for f of \$18,200. Using this value for f, and the 1971/72 figure of \$1730 for i, equation 8 may be written in the form

$$r = \frac{18200}{4515 - 1.22b - 0.604N - \frac{4,270,000 - 2684b}{N}} \quad (9)$$



Figures 5 and 6 show values of student/faculty ratio and total FTE faculty as functions of weighted enrolment for b-values of \$722,500,250 and 0 respectively.

It should be remembered that these figures assume an average salary level that is frozen in terms of 1971 dollars. In view of the current low average faculty salaries at Trent (at or close to the bottom for all Ontario universities), it seems realistic to suppose that some increase in real average salaries is essential. Referring to Table 2, it appears that weighted enrolment is anticipated to rise by about 1490 units in the four-year period from 1971/72 to 1975/76. A compounded 4% p.a. will, in four years, result in an increase of 14.4%. For simplicity it will be assumed that there will be a 1% increase in faculty salaries after 1971/72 for every one hundred rise in the weighted enrolment. Figures 7 and 8 show the student/faculty ratios and total FTE faculty as functions of weighted enrolment taking into account this rather minimal real increase in average faculty salaries.

The magnitude of the problem facing Trent University and DUA can perhaps best be seen by focussing on the curves for b-values of \$722 and \$500 in Figures 7 and 8. The reason for these choices is that, while some decrease in the b-factor is probably essential, it is hard to visualize



more than a 30% cut in this factor, from \$722 currently projected, to \$500.

If the b-factor were to remain at \$722, student/faculty ratios would need to be almost 34 to 1 by 1976/77, and faculty numbers would need to be reduced from the 1970/71 figure of 134 to 97.

Even if the b-factor could be reduced to \$500 -- and there is no sign of this occurring between 1969/70 and 1970/71, see Figure 2 -- student/faculty ratios would rise to over 28 to 1, and the number of faculty members would have to be reduced to 116 while the university weighted enrolment almost doubled from 2083 to 4000 units.

#### An Alternative to the Weighting Formula

From the analysis presented in this paper, it would appear that the operating expenses of Trent University are made up of two parts:

- 1) direct faculty costs: proportional to student numbers and containing a multiplier, f, that rises more rapidly than the general cost of living. The other multiplier in this part of the expenses is the student/faculty ratio, which it may be possible to increase to some extent, but not substantially.





- 2) related costs: a linear function of student numbers.

Combining, the operating expenses then appear as  $[A + B \times (\text{number of students})]$  and this expression suggests that formula income should also be made up of two parts, namely a sum, A, independent of enrolment, that would grow with the rising cost of living from year to year; and a grant, B, per student, this grant growing at slightly above the general inflation rate.

Perhaps an analysis of the operating costs of other universities would be possible to confirm or deny whether this type of change to the operating grant formula would indeed be a reasonable one. Evidently if such a formula were adopted for the Ontario university system, then the costs of different major groupings (e.g. Faculties) would need to be reflected in the multiplier applying to the student numbers in that programme, and the operating grant to a university would be of the form

\$ A plus

$B_1 \times (\text{number of students in group 1})$  plus

$B_2 \times (\text{number of students in group 2})$  plus

$B_3 \times (\text{number of students in group 3})$

and so on.



Table 1

Related costs, from Nov. 1969 submission to DUA (1969 dollars)

	Actual 68/69	Provi- sional 69/70	Estimated 70/71	Projected			
				71/72	72/73	73/74	74/75
Teaching salaries (inc. sabbaticals)	1,327,096	1,600,000	1,770,000	1,913,000	2,088,000	2,396,000	2,683,000
Staff Benefits (8%)	70,000	128,000	141,600	153,040	167,040	191,680	214,640
Total faculty direct costs	1,397,096	1,728,000	1,911,600	2,066,040	2,255,040	2,587,680	2,897,640
Total operating expenses	3,709,077	4,465,000	5,010,000	5,330,000	5,660,000	6,290,000	6,775,000
Other costs	2,311,981* (2,427,580)	2,737,000	3,098,400	3,263,960	3,404,960	3,702,320	3,877,360
FTE (winter) enrolment	1163	1440	1672	1967	2282	2617	2927
Units (winter)	1381	1735	2016	2368	2744	3143	3513
Winter Units/FTE	1.19	1.20	1.20	1.20	1.20	1.20	1.20

\* This figure may, roughly, be converted to 1969 dollars by adding 5%.





Table 2

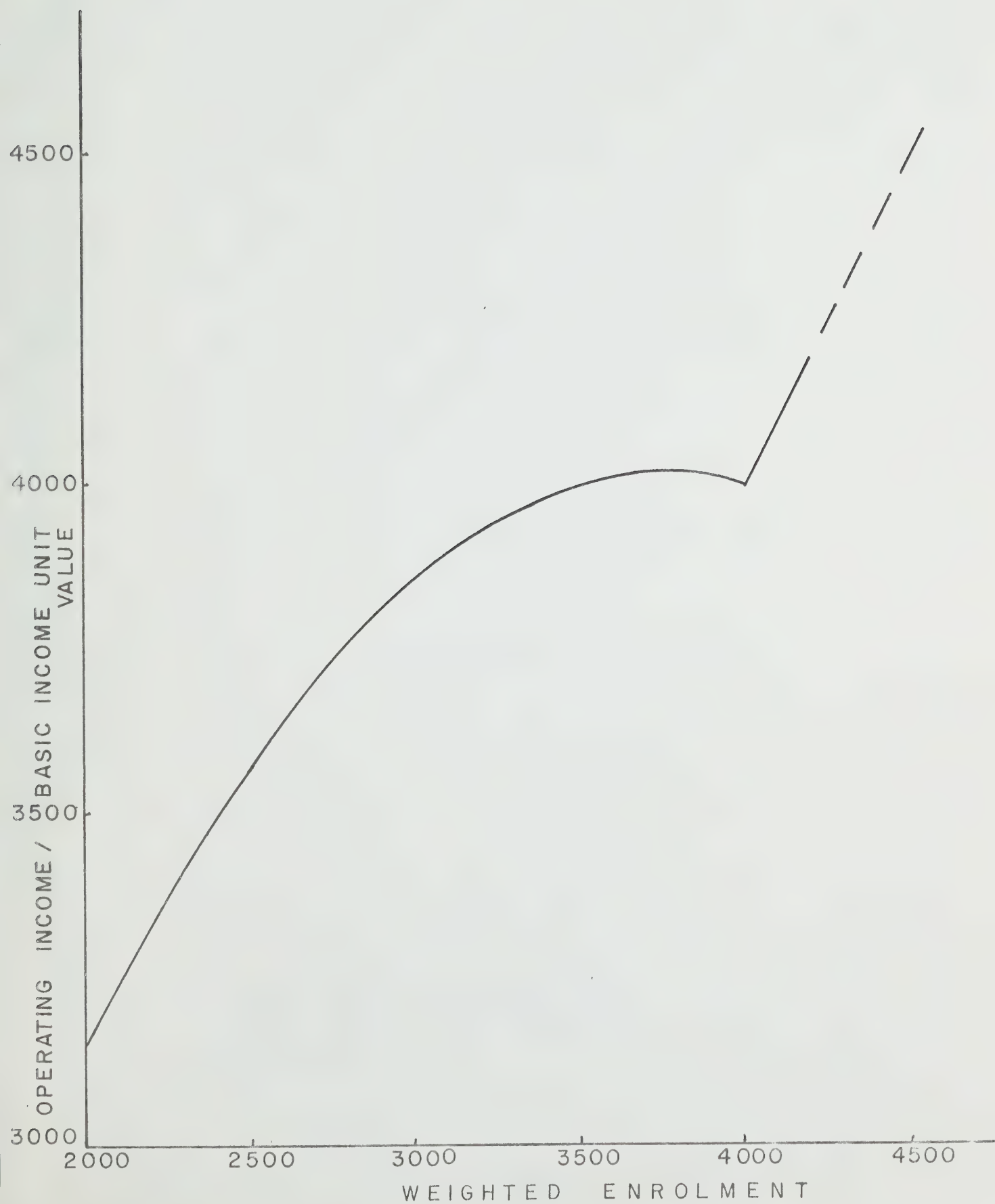
Related costs, from preliminary figures for Dec. 1970 submission to DUA  
(1971 dollars)

	Actual 69/70	Anticipated actual 70/71	Estimated 71/72	Projected		
				72/73	73/74	74/75 75/76
Teaching salaries (incl. sabbati- cals)	1,614,000	2,100,000	2,340,000	2,480,000	2,697,000	2,978,000 3,321,000
Staff benefits (9%)	145,000	189,000	211,000	223,000	243,000	268,000 299,000
Total faculty direct costs	1,759,000	2,289,000	2,551,000	2,703,000	2,940,000	3,246,000 3,620,000
Total operating expenses	4,529,000	5,555,000	6,103,000	6,562,000	7,046,000	7,594,000 8,211,000
Other costs	2,770,000* (3,054,000)	3,266,000* (3,429,000)	3,552,000	3,859,000	4,106,000	4,348,000 4,591,000
FTE(winter) enrolment	1347	1741	1868	2150	2435	2700 3025
Units (winter)	1674	2083	2253	2625	3005	3345 3740
Winter Units/FTE	1.24	1.20	1.21	1.22	1.23	1.24 1.24

\* These figures may, roughly, be converted to 1971 dollars using a factor of 1.05 (5%) per annum.



Figure - I  
OPERATING INCOME





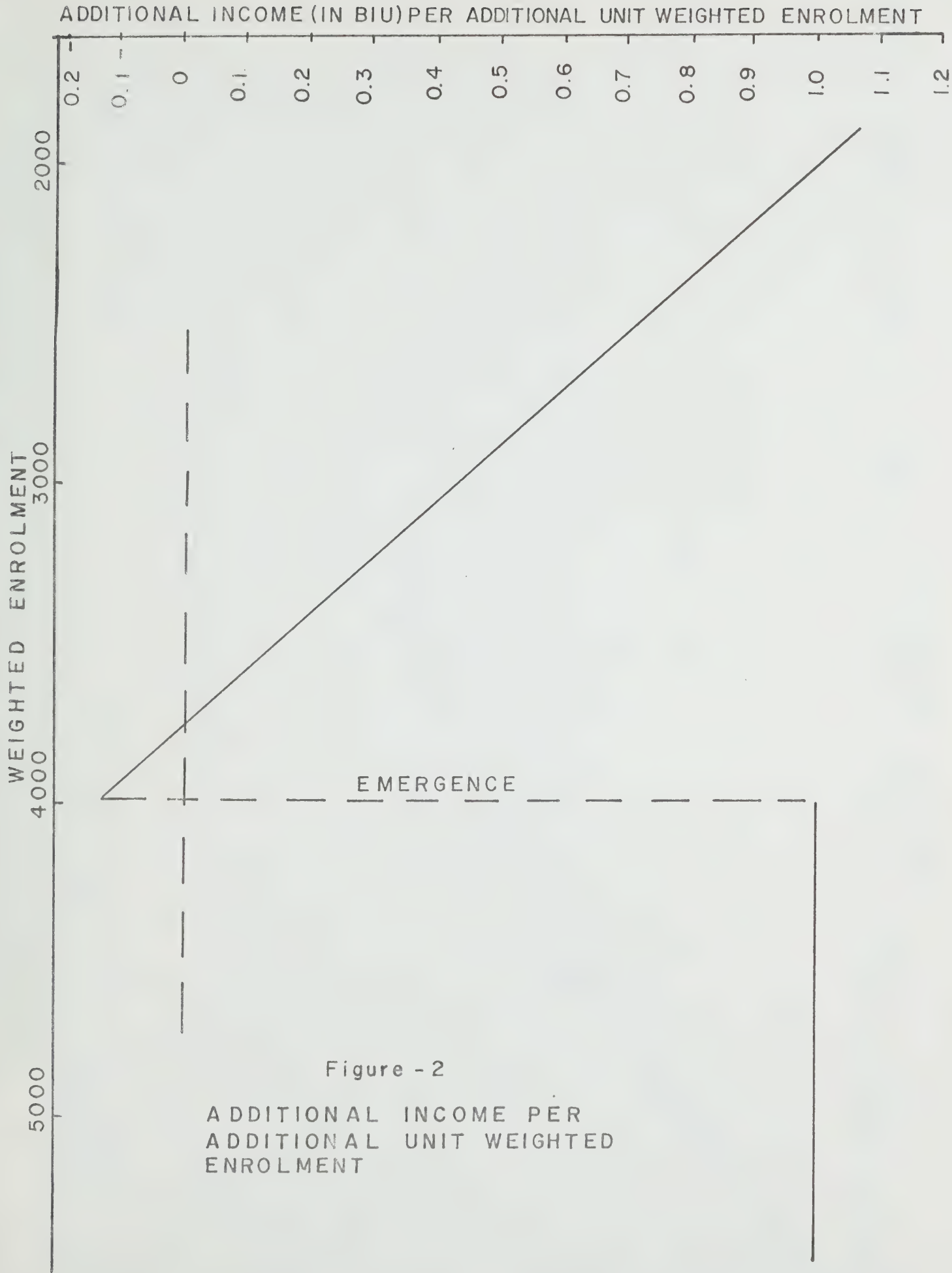


Figure - 2

ADDITIONAL INCOME PER  
ADDITIONAL UNIT WEIGHTED  
ENROLMENT





Figure - 3

RELATED COSTS FROM NOV. 69  
SUBMISSION TO DUA (1969 DOLLARS)

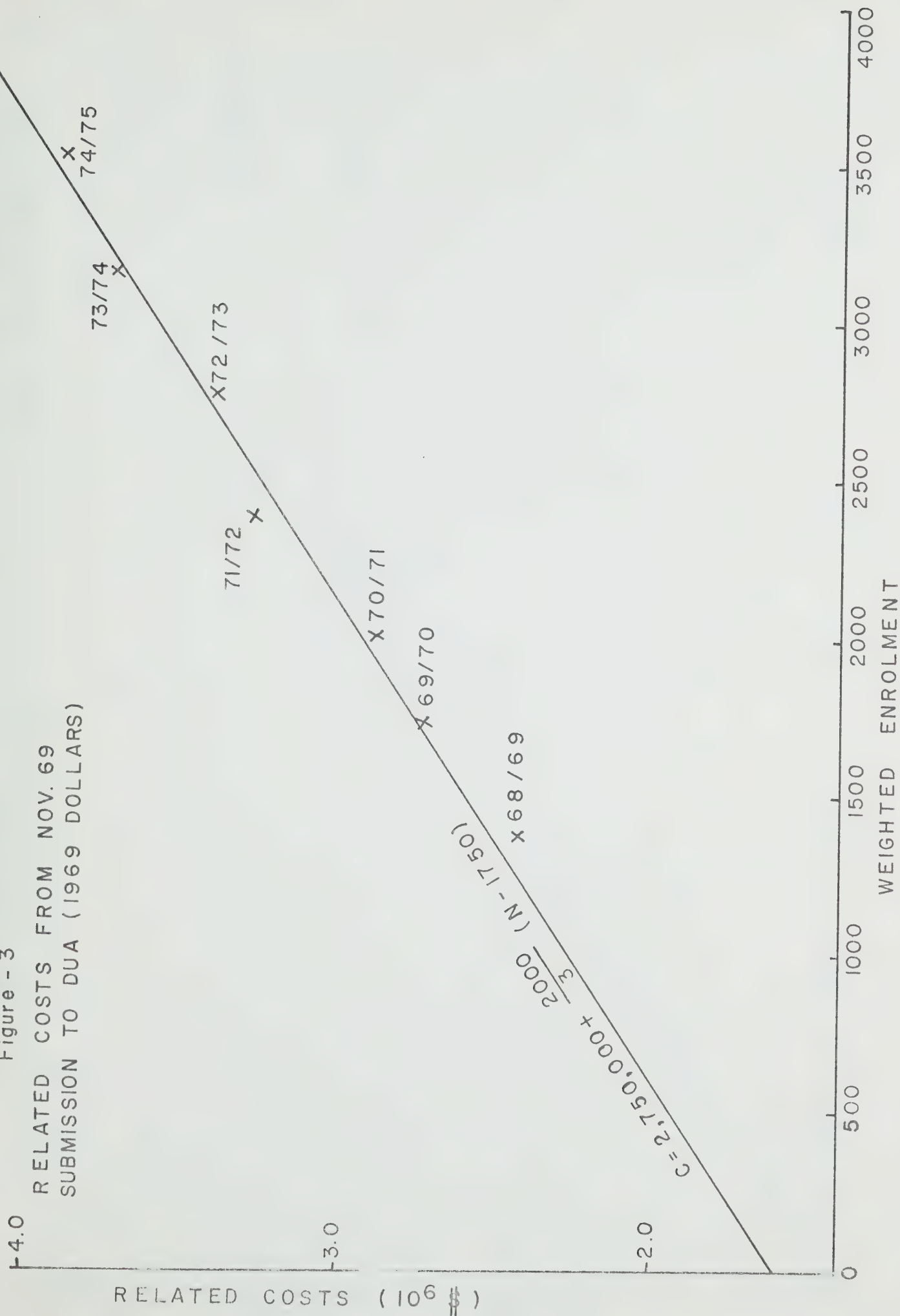




Figure - 4

RELATED COSTS - PRELIMINARY DATA  
FROM DEC. 70 SUBMISSION TO DUA  
(1971 DOLLARS)

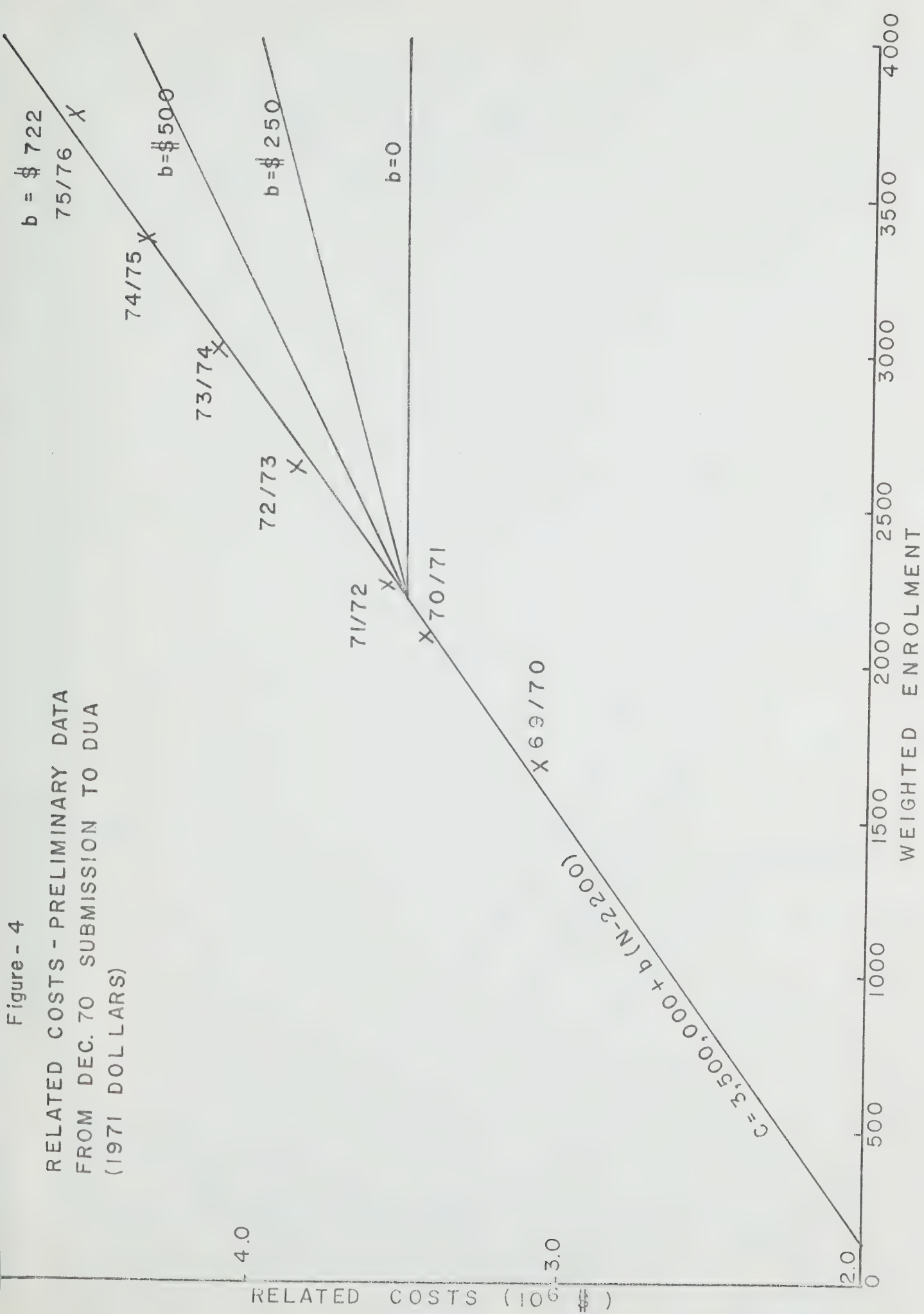






Figure - 5

STUDENT / FACULTY RATIO  
NO REAL INCREASE AVG.  
FACULTY SALARIES

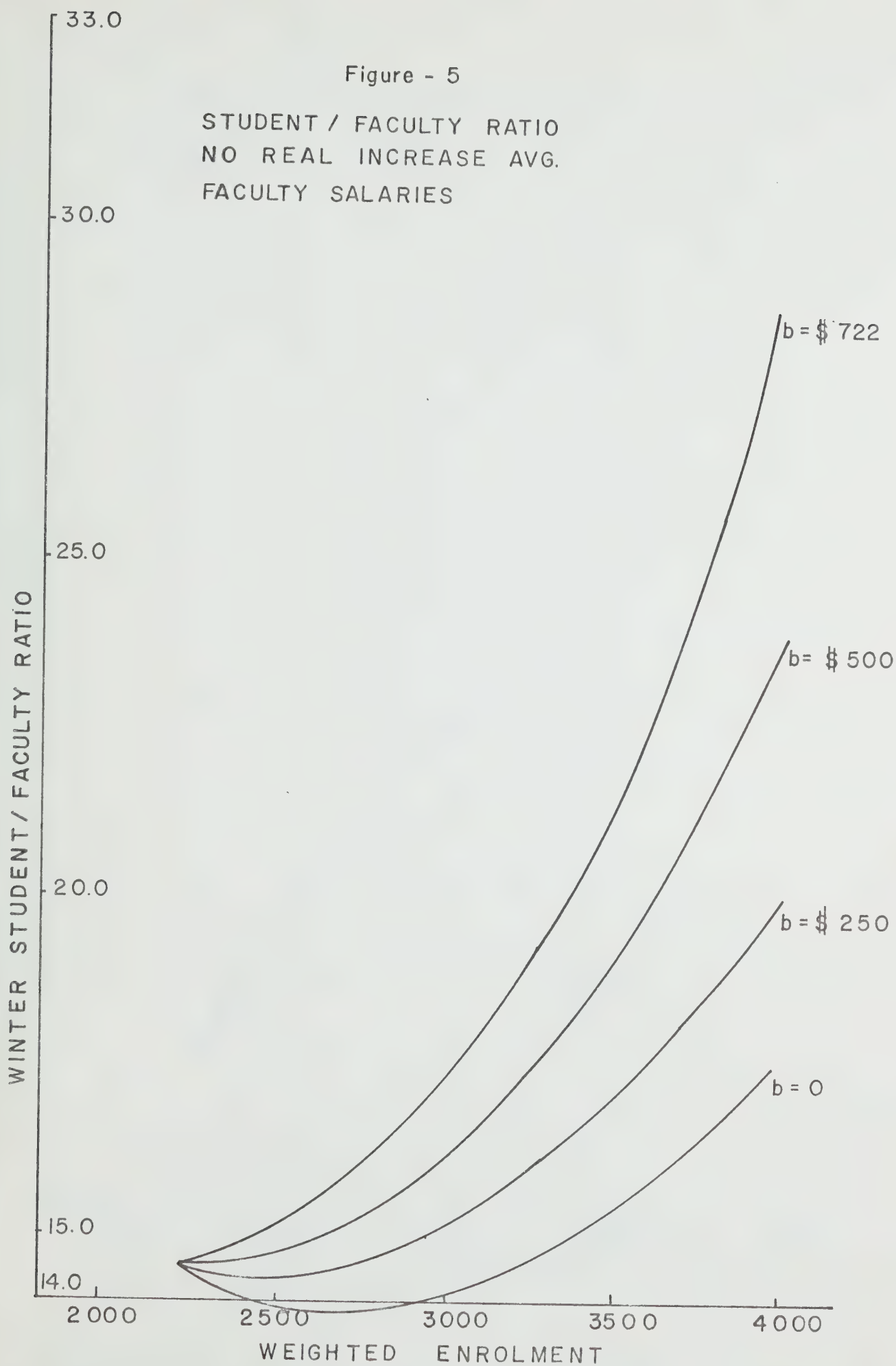




Figure - 6

OPERATIVE FACULTY NUMBERS  
NO REAL INCREASE IN AVG.  
FACULTY SALARIES

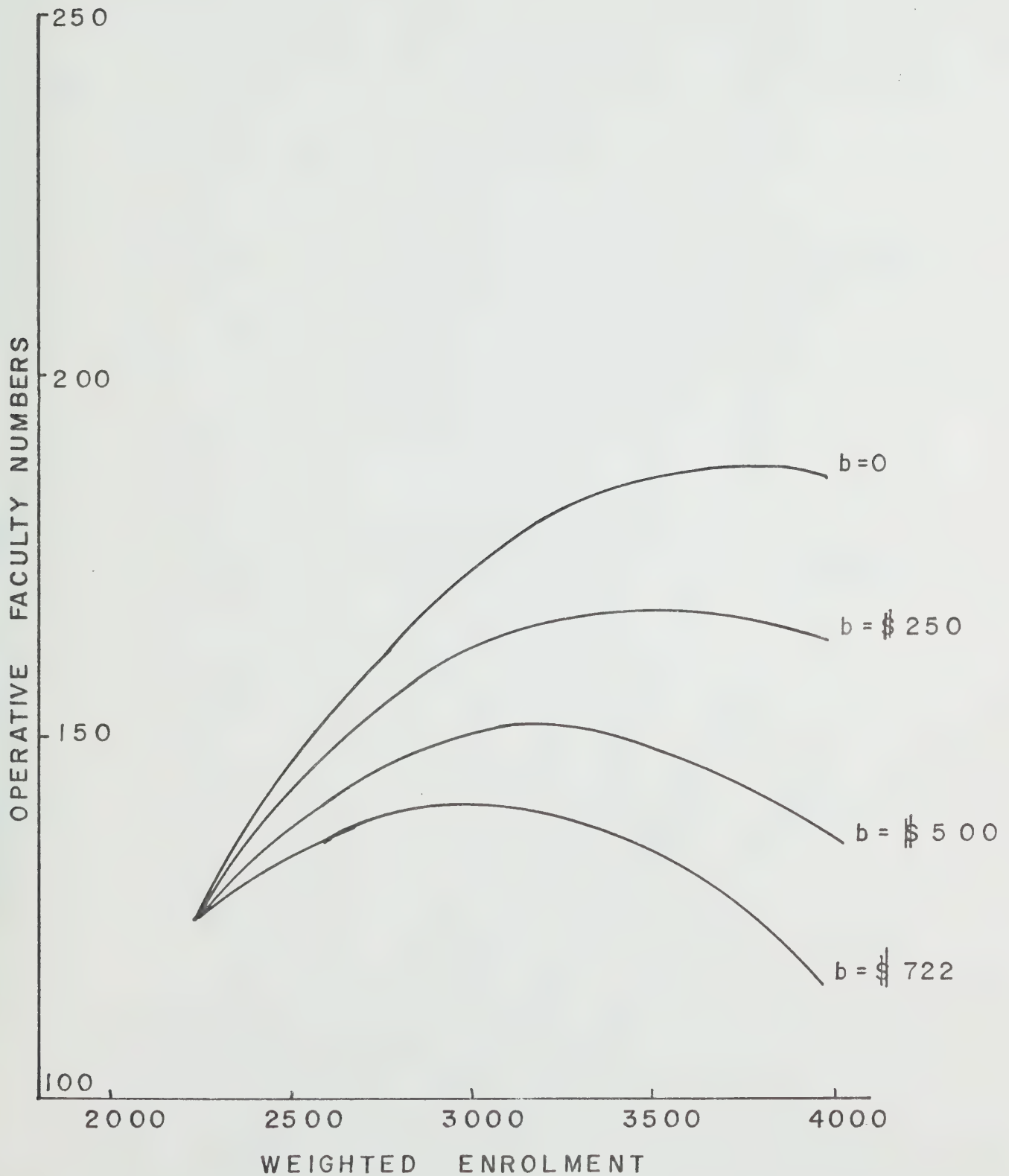




Figure - 7

STUDENT/FACULTY RATIOS  
REAL AVG. FACULTY SALARIES  
INCREMENT OF 4% P.A.

STUDENT / FACULTY RATIO

34  
30  
25  
20  
15  
14

2000

2500

3000

3500

4000

WEIGHTED ENROLMENT

$b = \$ 722$

$b = \$ 500$

$b = \$ 250$

$b = 0$

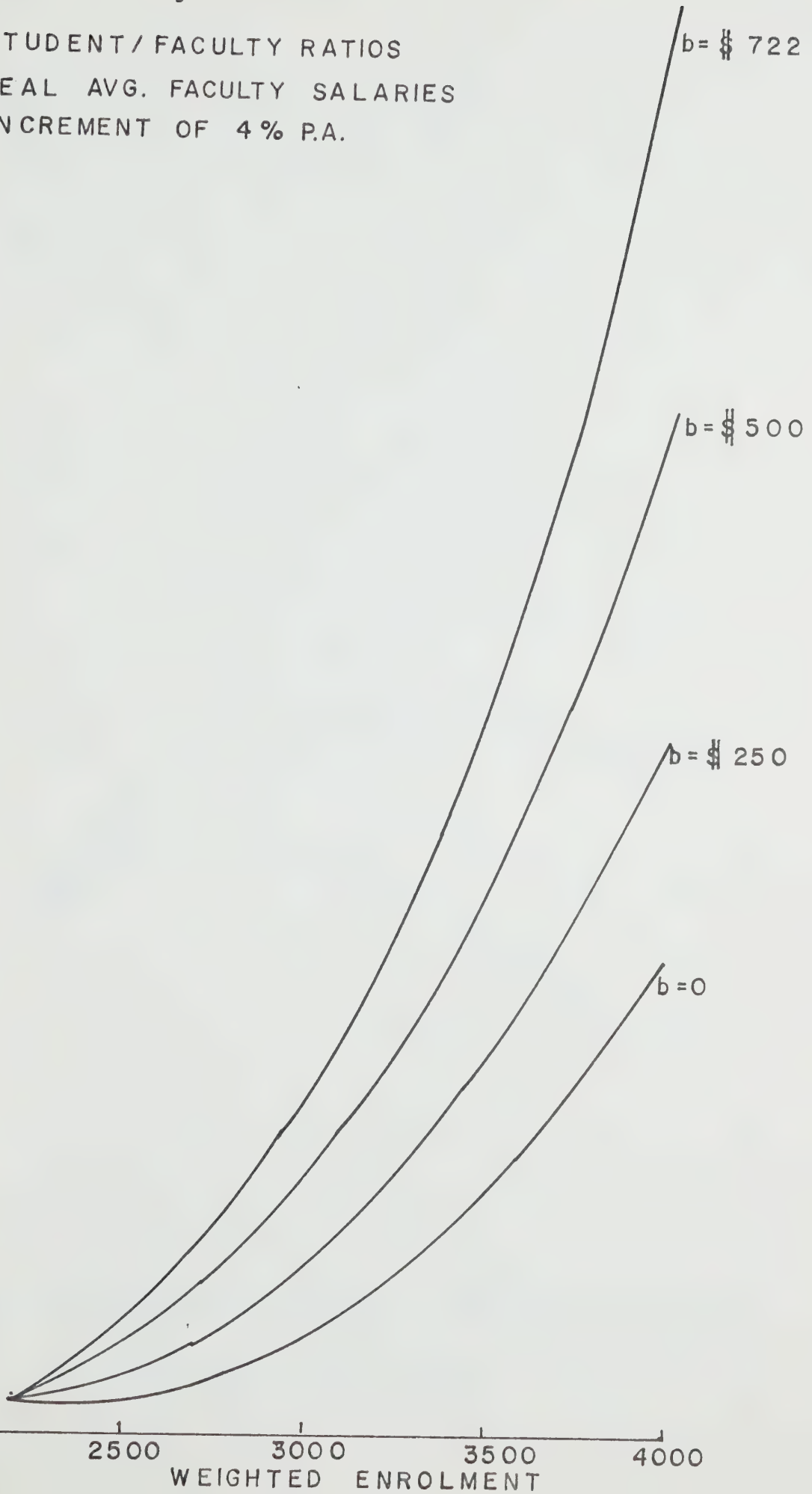
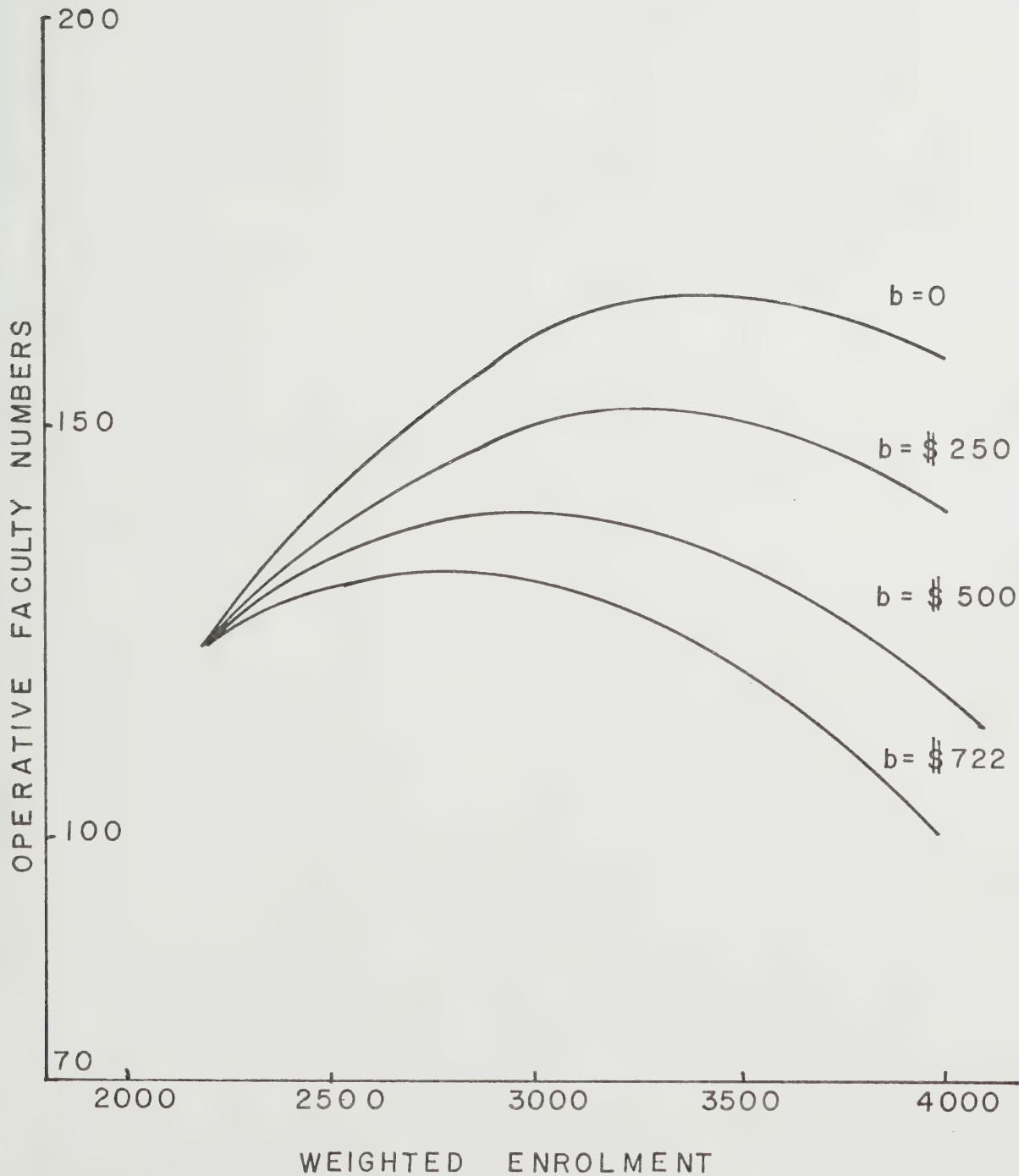






Figure - 8

OPERATIVE FACULTY NUMBERS  
REAL AVG. FACULTY SALARIES  
INCREASE OF 4% P.A.









TRENT UNIVERSITY  
Summary of Estimated Income and Expenditure  
1971-1972 to 1975-1976  
(1971 Dollars '000)

	Anticipated Actual 1970-1971	Estimated 1971-1972	Projected			
			1972-1973	1973-1974	1974-1975	1975-1976
Enrolment (F.T.E.)						
Full-time	1,622	1,737	1,996	2,257	2,499	2,815
Part-time (winter)	108	118	125	135	150	155
Graduate	11	13	29	43	51	55
Part-time (summer)	1,741	1,868	2,150	2,435	2,700	3,025
Total	112	132	150	165	200	225
	1,853	2,000	2,300	2,600	2,900	3,250
Standard Units	2,195	2,385	2,775	3,170	3,545	3,965
% Special Grant	51.57%	46.14%	35.00%	23.71%	13.00%	1.00%
Unit Value	\$1,650	\$1,730	\$1,730	\$1,730	\$1,730	\$1,730
Income						
Fees	--968	1,048	1,201	1,354	1,511	1,691
Grant - Standard	2,719	3,151	3,681	4,219	4,722	5,279
- Special	1,868	1,904	1,680	1,300	797	69
	4,587	5,055	5,361	5,519	5,519	5,348
Total Income	5,555	6,103	6,562	6,873	7,030	7,039
Expenditures (attached)	5,555	6,103	6,562	7,046	7,594	8,218
Surplus (Deficit) on Operations	-	-	-	(173)	(564)	(1,179)
Surplus (Deficit) on Ancillary Enterprises (Net)	-	-	-	-	-	-
Total Surplus (Deficit)	-	-	-	\$ (173)	\$ (564)	\$ (1,179)
Minimum Special Grant required to eliminate deficit	-	-	-	27%	22%	18%



TRENT UNIVERSITY  
Summary of Estimated Expenditures  
1971-1972 to 1975-1976  
(1971 Dollars '000)

APPENDIX 2(a)

	Anticipated Actual 1970-1971	%	Estimated 1971-1972		1972-1973		1973-1974		Projected		1975-1976	
			%		%		%		%		%	
Staff-student ratio	13.0			13.5		14.5		15.0		15.0		15.0
Teaching Staff (F.T.E. operational)	134.0			139.0		148.0		162.0		180.0		202.0
Expenditures												
Teaching staff salaries	\$1,920	34.6	\$2,170	35.5	\$2,307	35.2	\$2,527	35.9	\$2,808	37.0	\$3,151	38.3
Sabbatical salaries	180	3.2	170	2.8	170	2.6	170	2.4	170	2.2	170	2.1
Summer stipends	81	1.5	91	1.5	101	1.5	111	1.6	131	1.9	151	1.8
Total Teaching Salaries	2,181	39.3	2,431	39.8	2,578	39.3	2,808	39.9	3,109	40.9	3,472	42.2
Scientific Support Staff	200	3.6	220	3.6	234	3.6	248	3.5	262	3.5	276	3.4
Academic Secretaries	150	2.7	160	2.7	170	2.6	184	2.6	200	2.6	220	2.7
Student assistants and honoraria	30	.5	32	.5	35	.5	38	.5	42	.5	47	.6
Staff benefits - 9%	2,561	46.1	2,843	46.6	3,017	46.0	3,278	46.5	3,613	47.6	4,015	48.9
Research	228	4.1	253	4.1	269	4.1	292	4.1	320	4.2	357	4.3
Scientific equipment	95	1.7	100	1.6	105	1.6	110	1.6	115	1.5	120	1.5
Other academic expenses	60	1.1	63	1.0	100	1.5	125	1.8	125	1.7	125	1.5
	386	6.9	411	6.8	461	7.0	486	6.9	511	6.7	536	6.5
Library - Books	3,330	59.9	3,670	60.1	3,952	60.2	4,291	60.9	4,684	61.7	5,153	62.7
- Other	171	3.1	200	3.3	240	3.6	260	3.7	280	3.7	300	3.7
	383	6.9	400	6.5	410	6.3	415	5.9	415	5.4	415	5.0
Total Academic Expenses	554	10.0	600	9.8	650	9.9	675	9.6	695	9.1	715	8.7
Administration, development and planning	3,884	69.9	4,270	69.9	4,602	70.1	4,966	70.5	5,379	70.8	5,858	71.4
Plant maintenance	565	9.7	590	9.7	615	9.4	640	9.1	665	8.8	690	8.4
Other expenses	1,000	18.0	1,030	16.9	1,115	17.0	1,200	17.0	1,300	17.1	1,400	17.0
Contingency	106	2.4	118	1.9	130	2.0	140	2.0	150	2.0	160	2.0
	-	-	95	1.6	100	1.5	100	1.4	100	1.3	100	1.2
Total Operating Expenses	\$5,555	100.0	\$6,103	100.0	\$6,562	100.0	\$7,046	100.0	\$7,594	100.0	\$8,218	100.0
Cost per Student - F.T.E.	\$3,000		\$3,050		\$2,850		\$2,710		\$2,620		\$2,530	
Cost per income unit	\$2,530		\$2,560		\$2,365		\$2,220		\$2,140		\$2,070	





Terms of Reference for Five-Year Operating Projection

Summary of Expenditure

Statistics -

The staff-student ratio is determined by dividing F.T.E. operational teaching staff into the total enrolment less the part-time summer students.

Teaching staff (F.T.E. operational) includes all full-time and part-time staff but excludes sabbaticals and the administrative portion of any salaries of teaching staff including deans.

General Note - Estimated 1971-1972 -

The five-year projections (from 1971-1972 to 1975-1976) are based on 1971 dollars, which have been determined by applying a 4% price level increment to 1970-1971 budget figures.

In addition to this increment, the following amounts have been added to the 1970-1971 budget figures to determine figures for 1971-1972.

Teaching salaries - new staff requirements, at estimated average salary rates for 1971-1972.

All Other Costs - adjustments based on anticipated actual results for 1970-1971, and taking into account increased enrolment, new buildings, etc.

Contingency - a contingency of \$95,000 has been established to provide for salary and other cost increments which may be in excess of the 4% price level increment included in the projected figures

Projection of Real Increases (1972-1973 to 1975-1976)

Total Teaching Salaries -

An average salary of \$15,600 has been applied to the teaching staff (F.T.E. operational) to calculate teaching staff salaries. This average salary does not incorporate any estimate for salaries to continuing staff over the 4% cost of living increment.

The sabbatical salaries represent full or partial sabbatical payments to members of faculty and include fourteen sabbaticals per year at approximately \$12,000.

Summer stipends are based on a cost per F.T.E. summer student of approximately \$660.

Scientific Support Staff -

A provision of \$14,000 per year has been made for two new staff members at \$7,000 each.



Academic Secretaries -

A provision for new secretaries has been incorporated each year. The number of new secretaries relates to the increases of teaching staff in the ratio of one to five and is estimated at approximately \$4,500 per secretary.

Staff Benefits -

The anticipated actual rate for 1971-1972 of 9% of salary has been applied to total instructional salaries excluding student assistants and honoraria.

Research -

An increment of \$5,000 annually has been incorporated in the projected figures to reflect the research requirements of the increased number of teaching staff.

Scientific Equipment -

An increment of \$25,000 has been allocated in 1973-1974 to give a fixed annual amount of \$125,000 for scientific equipment.

Other Academic Expenses -

An increment of \$25,000 per year has been provided, part of which will be allocated for increased expenditures on computing.

Library -

Increments totaling \$100,000 have been added over the four-year period 1972-1973 to 1975-1976 for book acquisitions. The allocation to operation has been increased \$15,000 in total to \$415,000.

Administration Development and Planning -

An increment of \$25,000 per year has been provided for additional staff and costs related to increased enrolment and size.

Plant Maintenance -

Increments of approximately \$100,000 per year have been provided for additional maintenance costs including a provision for additional costs related to the academic portion of College V and other future buildings. Building maintenance costs are based on \$1.00 per gross square foot.

Other Expenses -

An increment of \$10,000 per year has been provided to cover the increased insurance cost of new buildings and other general University expenditures related to increased enrolment and size.

Contingency -

The contingency established for the 1971-1972 year has been carried forward in the years 1972-1973 to 1975-1976 at an amount of \$100,000.



PROPOSAL FOR SUPPLEMENTARY OPERATING GRANTS  
FOR EMERGING UNIVERSITIES

This is a proposal for extra-formula operating support for the Universities of Brock, Trent, Laurentian, Lakehead, and the emerging colleges of the University of Toronto. The Presidents of these institutions support a programme of supplementary support which would be patterned after Figure 1. Supplementary support would be continued at a minimum in accord with the pattern of Figure 1 to a phase-in to normal formula at about 4500 basic income units.

There are two qualifications to the proposal. The first is that the support during this period would be considered minimum so that the planning of the universities could take this projected supplementary support into account in their budgeting practices. This would be viewed as fixed supplementary support. There could also be variable supplementary support which might be argued for individually by each institution directly to the Department of University Affairs with each argument being judged on its merits.

The second qualification is implied in the conversion of the solid line to a dotted line at about 25% supplementary support. This reflects our desire to aim for emergence at about 4500 units but to make sure that this phase of emergence into normal support will be examined very closely.

At this time we do not know what the effects of deliberations on Arts and Science weights in the Joint Subcommittee on Finance will have on our ability to phase into the formula at that number of units. Neither are we completely satisfied that our average weights will be sufficiently high to enable us to absorb fixed costs at this number of units.

It may be that a very large Faculty of Arts and Science can operate in a multi-faculty university on an average weight of 1.2 under the current formula, although we would question the propriety of assuming that there is a direct relationship between income and cost allocation. The average weight in the system is about 1.7 and the average weight of the smallest emerged





university in the system (Windsor) is about 1.4. This suggests that if the emerging universities are to be considered full members of the Ontario University community, an average weight of 1.2 in any one University would be low. For instance, current studies carried out at Trent University indicate that support for its academic programme in undergraduate Arts and Science would require a minimum weighting substantially in excess of a 1.2 average.

In summary, we are prepared to follow the emergence pattern attached but we believe a thorough analysis of the implications of absorbing fixed costs at emergence on formula should be carried out by the Committee of Presidents of Universities of Ontario Subcommittee on Operating Grants in conjunction with the Joint Subcommittee on Finance.



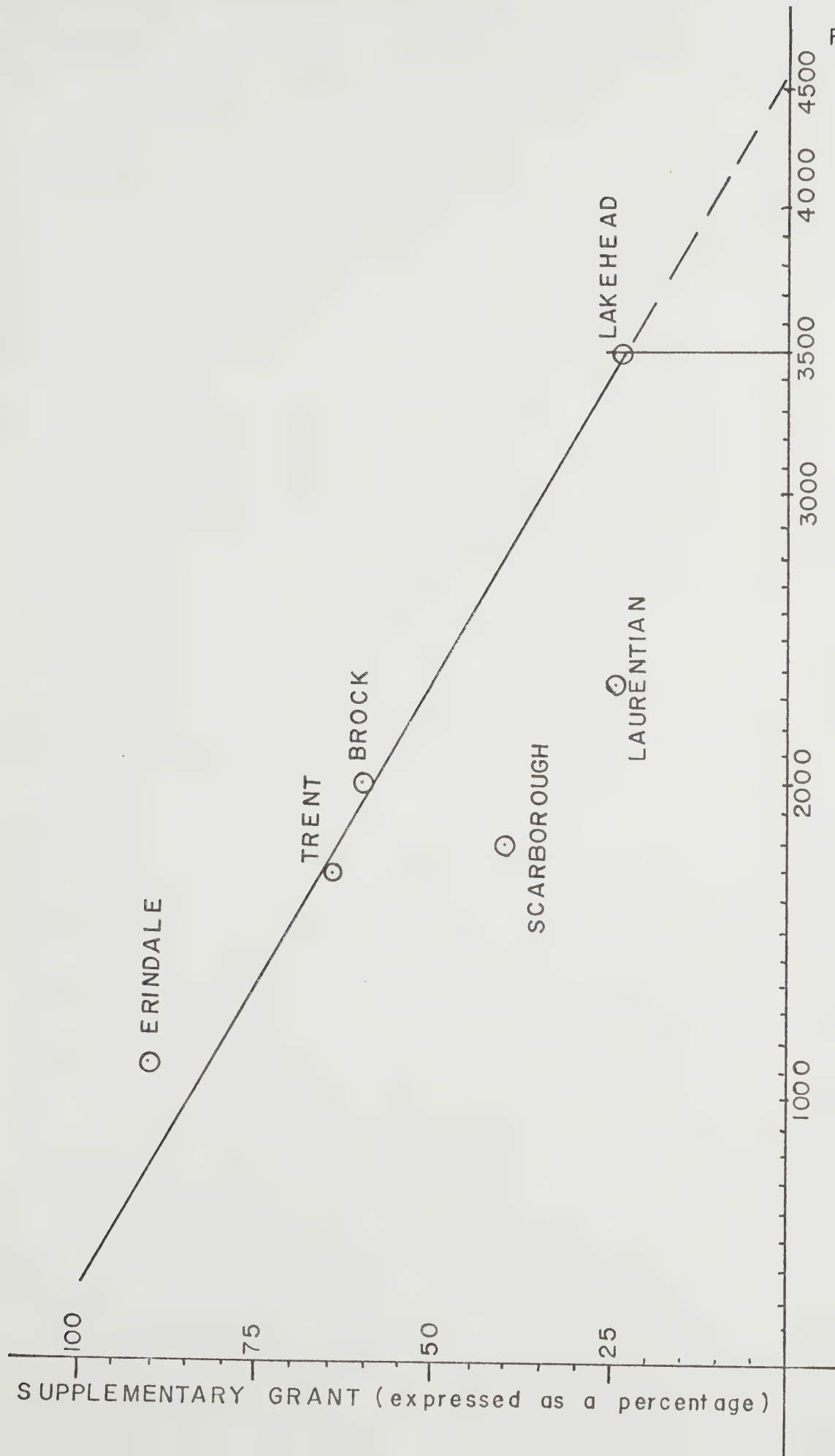


FIGURE -1

WEIGHTED ENROLMENT (projected 1969-70)







## FORM CUA-70-A

Full-Time:	- Master's
	- Doctoral
	- Total
Part-Time:	- Master's
	- Doctoral
	- Total









## FORM CUA-70-C

DISCIPLINE AREA											
1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Actual	Actual	Actual	Actual	Actual	Actual	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated

## AGGREGATE FIGURES

	1	2	7	11	22	37	45	51
Master's	-	-	-	-	-	-	-	-
Doctoral	-	-	-	-	-	-	-	-

### BREAKDOWN BY DISCIPLINE AREA

## HUMANITIES (Language &amp; Literature)

	1	2	3	4
Master's	-	-	-	-
Doctoral	-	-	-	-

HUMANITIES (History, etc.)

[illegible]

SOCIAL SCIENCES (General)

[illegible]

SOCIAL SCIENCES (Regional, etc.)

[illegible]

## PHYSICAL SCIENCES

[illegible]

## LIFE SCIENCES



GRADUATE ENROLMENT DATA  
PROJECTED GRADUATE ENROLMENT (FULL-TIME AND PART-TIME) BY DISCIPLINE AREA

FORM CUA-70-D

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
<u>AGGREGATE FIGURES</u>						
Full-Time: - Master's	11	13	29	43	51	55
- Doctoral	-	-	-	-	-	-
- Total	11	13	29	43	51	55
Part-Time: - Master's	1	-	-	-	-	-
- Doctoral	-	-	-	-	-	-
- Total	1	-	-	-	-	-
<u>BREAKDOWN BY DISCIPLINE AREA</u>						
<u>HUMANITIES (Language &amp; Literature)</u>						
Full-Time: - Master's	-	-	2	3	4	4
- Doctoral	-	-	-	-	-	-
- Total	-	-	2	3	4	4
<u>HUMANITIES (History, etc.)</u>						
Full-Time: - Master's	1	3	4	5	5	5
- Doctoral	-	-	-	-	-	-
- Total	1	3	4	5	5	5
<u>SOCIAL SCIENCES (General)</u>						
Full-Time: - Master's	-	-	4	8	12	16
- Doctoral	-	-	-	-	-	-
- Total	-	-	4	8	12	16
<u>SOCIAL SCIENCES (Regional, etc.)</u>						
Full-Time: - Master's	-	-	2	4	6	6
- Doctoral	-	-	-	-	-	-
- Total	-	-	2	4	6	6
<u>PHYSICAL SCIENCES</u>						
Full-Time: - Master's	10	10	15	20	20	20
- Doctoral	-	-	-	-	-	-
- Total	10	10	15	20	20	20



1970-71 1971-72 1972-73 1973-74 1974-75 1975-76

PHYSICAL SCIENCES (continued)

Part-Time: - Master's  
- Doctoral  
- Total

1 - - - - -  
- - - - -  
1 - - - -

LIFE SCIENCES

Full-Time: - Master's  
- Doctoral  
- Total

- - - - -  
- - - - -  
- - - - -





GRADUATE ENROLMENT DATA  
SURVEY OF ANNUAL FINANCIAL RESOURCES FOR THE  
SUPPORT OF FULL-TIME GRADUATE STUDENTS, 1969-70 ACTUAL.

Instructions: Indicate the number of students receiving any support  
(double-counting is anticipated).

Discipline Area	Scholarships and Bursaries		Research Grants		Remuneration		P.O.S.A.P.	Not Supported under Any of Categories 1-7
	P.O.G.	Other	Federal Agencies	Other	Teaching Assistantships	Other University		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
AGGREGATE FIGURES								
Full-Time:	3	1	2	1	4			
- Master's	-	-	-	-	-			
- Doctoral	3	1	2	1	4			
- Total								
PHYSICAL SCIENCES								
Full-Time:	3	1	2	1	4			
- Master's	-	-	-	-	-			
- Doctoral	3	1	2	1	4			
- Total								



GRADUATE ENROLMENT DATA  
SURVEY OF ANNUAL FINANCIAL RESOURCES FOR THE  
SUPPORT OF FULL-TIME GRADUATE STUDENTS 1969-70 ACTUAL

FORM CUA-70-E Page 2 (a)

DISCIPLINE AREA		NUMBER OF STUDENTS BY LEVEL OF SUPPORT							
		<u>\$1-500</u>	<u>\$501-1,000</u>	<u>\$1,001-2,000</u>	<u>\$2,001-3,000</u>	<u>\$3,001-4,000</u>	<u>\$4,001-5,000</u>	<u>\$5,001+</u>	<u>TOTAL</u>
NONE									
AGGREGATE FIGURES	Full-Time: - Master's	1	-	-	1	3	-	-	5
	- Doctoral	-	-	-	-	-	-	-	-
	- Total	1	-	-	1	3	-	-	5
PHYSICAL SCIENCES									
Full-Time: - Master's		1	-	-	1	3	-	-	5
	- Doctoral	-	-	-	-	-	-	-	-
	- Total	1	-	-	1	3	-	-	5







☐ YEARS 1-6 Undergraduate  
☐ Year 7 Graduate - N/A

SUMMARY OF CLASS SIZE SURVEY DATA FOR  
1969 REPORTED TO THE COMMITTEE OF PRESIDENTS  
FREQUENCY DISTRIBUTION OF CLASS SECTIONS

UNIVERSITY

FORM CUA-70-H

SECTION SIZE	0-3			4-10			11-20			21-40			41-80			81-160			161-300			301+		
	DIS- CIPLINE	TYPE	AREA	LE	LA	TU	LE	LA	TU	LE	LA	TU	LE	LA	TU	LE	LA	TU	LE	LA	TU	LE	LA	TU
PURE HUMANITIES	2			9	2	265	5	1	43	9	8	6	1	5	2									
APPLIED HUMANITIES	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PURE SOCIAL SCIENCES	1			10	11	418	8	8	62	15	3	14		6	3									
APPLIED SOCIAL SCIENCES	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PURE BIOLOGICAL SCIENCES	-			1	3	55	6	10	-	2	5	-	-	1	-									
APPLIED BIOLOGICAL SCIENCES	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PURE PHYSICAL SCIENCES	3			8	7	80	3	6	13	3	4	2	-	2	-									
APPLIED PHYSICAL SCIENCES	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6			28	23	818	22	25	118	29	20	22	1	14	5									

NOTES AND INSTRUCTIONS:

- (1) Data will agree with and be based upon CPUO survey requirements as set out in Memorandum dated 14th July, 1970 - re Analysis of section size information.
- (2) This form is to be completed twice, once for years 1-6 undergraduate, and once for year 7-graduate.
- (3) Le - Lecture; La - Laboratory; Tu - Tutorials and Seminars.
- (4) Average Section Size = Total of Course Enrollments ÷ Total Number of Sections.
- (5) As per Forms UA3 Submitted December 1969, distributed according to D.B.S. Discipline Groupings used in the Survey.

IMPORTANT

The class size spectrum used here anticipates prematurely the spectrum which only the basic data itself will indicate as most appropriate. For this and other reasons this summary is very much secondary to the provision of the data itself to CPUO.

AVERAGE SECTION SIZE (4)		TOTAL STUDENT CONTACT HOURS PER WEEK	TOTAL F.T.E. ENROLLMENT FALL TERM (5)	TOTAL CONTACT HOURS/PER STUDENT
LE	LA			
46	28	4,292		
-	-	-	-	-
50	15	7,354		
-	-	-	-	-
27	16	1,507		
-	-	-	-	-
28	13	2,207		
-	-	-	-	-
43	16	15,360	1,282	12.0









STATEMENT OF THE FINANCING OF OPERATIONS - Page 1

	1969-70 Actual ( $\$000's$ )	1970-71 Official Budget(7) ( $\$000's$ )	1971-72 Projected (6) ( $\$000's$ )
All gross expenditures of the University other than on Capital Account	<u>7,360</u>	<u>8,648</u>	<u>          </u>
<u>LESS:</u> (a) Assisted/Sponsored Research	<u>377</u>	<u>427</u>	<u>          </u>
(b) Principal and interest payments on capital indebtedness	<u>1,192</u>	<u>1,192</u>	<u>          </u>
(c) Student aid	<u>51</u>	<u>56</u>	<u>          </u>
(d) Ancillary enterprises (as per Form J)	<u>1,211</u>	<u>1,609</u>	<u>          </u>
(e) Costs of programs in education, if any (Note 1)	<u>-</u>	<u>-</u>	<u>          </u>
Total exclusions	<u>2,831</u>	<u>3,284</u>	<u>          </u>
Remainder - representing operating expenditures eligible for formula and other operating grant support (analysed on page 2)	<u>4,529</u>	<u>5,364</u>	<u>          </u>

Sources of Financial Support for Above:

(a) Basic operating income (weighted enrol- ment * x unit value)	<u>2,690</u>	<u>3,407</u>	<u>          </u>
(b) Other operating grants	<u>1,802</u>	<u>1,884</u>	<u>          </u>
(c) Balance	<u>37</u>	<u>73</u>	<u>          </u>
Total (equal to Remainder above)	<u>4,529</u>	<u>5,364</u>	<u>          </u>

Note 1: For 1969-70 and 1970-71 deduct amounts representing total allowable operating expenditures taken into account in arriving at grants for teacher education programs. For 1971-72 deduct amount representing 5% escalation in the budget on a per student basis.

\* For 1970-71, official budget figure of weighted enrolment.



## STATEMENT OF THE FINANCING OF OPERATIONS - Page 2

	1969-70 Actual		1970-71 Official Budget		1971-72 Projected	
1. Enrolment of the university weighted in accordance with the Operating Grants Formula (1)						
(i) Projected (official)			2,016			
(ii) Used in official budget of the university			2,065			
(iii) Latest estimate			2,065			
(iv) Actual	1,758					
		Total Amount (\$000's)	Per unit of weight- ed Enrol- ment	Total Amount (\$000's)	Per unit of weight- ed Enrol- ment (2)	Total Amount (\$000's)
2. Total operating expenditures, as per Page 1(5)	4,529	2,576		5,364	2,597	
Less: (i) All academic salaries (3) (full-time, part-time graduate assistant- ships and other class- room instructional salaries)	1,946	1,107		2,472	1,197	
(ii) Fringe Benefits related to above	157	89		197	95	
Balance, All other operating expenditures	2,426	1,380		2,695	1,305	
Breakdown of all other Operating expenditures:						
1. All furniture and equip- ment	-	-		60	29	
2. Library:						
-Library Acquisitions	171	97		171	83	
-Salaries and wages of library staff	256	146		308	149	
-Fringe benefits related to above	19	11		24	12	
3. Plant maintenance (4)						
-Salaries and wages	394	224		471	228	
-Fringe benefits related to above	33	19		37	18	
-Other	490	279		449	217	
4. Remainder:						
-Salaries and wages	438	249		506	245	
-Fringe benefits related to above	35	19		38	18	
-Other objects of expenditure	590	336		631	306	
TOTAL (as above)	2,426	1,380		2,695	1,305	

- NOTES: (1) This, of course, may be greater than the eligible number of basic income units.  
(2) Basis of calculation: weighted enrolment used in official budget of the university.  
(3) To include all academic administrative appointments.  
(4) To include all expenses (except furniture and equipment) included under definitions 8 and 22(a) of "Instructions, Definitions and Notes Relating to the Completion of the DBS-CAUBO Report on Financial Statistics of Universities and Colleges for 1969".  
(5) By way of supplementary comment, please disclose the University's policies with respect to the use it may make of "reserves" or "appropriations". The effect of such policies, and their measurable dollar impact should also be disclosed, in sufficient detail to permit a full understanding of the University's procedures towards arriving at annual operating expenditures.  
(6) The completion of this column is optional.  
(7) That Budget which has been adopted by the Board of Governors.



# ANCILLARY OPERATIONS (1)

1969-70 Actual

Form CUA 70-J

Total for All Ancillary Enterprises

NAME OF ANCILLARY ENTERPRISE	HEALTH SERVICES	ATHLETICS	TOTAL RESIDENCES	BOOKSTORE
SOURCES OF DIRECT REVENUE				
1. Fee or membership revenue.	13,114	21,800	781,646	
2. Direct charges for goods or services.	17,695	445	74,758	208,706
3. Other.				
TOTAL DIRECT REVENUE	30,809	22,245	10,871	208,706
DIRECT COSTS				
1. Costs directly attributable to the enterprise.	47,514	39,039	908,504	216,391
2. Costs shared with other ancillary enterprise(s).				
TOTAL DIRECT COSTS	47,514	39,039	908,504	216,391
EXCESS (shortfall) of Direct Revenue over Direct Costs	(16,705)	(16,794)	(41,229)	(7,685)
INDIRECT (Overhead or Joint) Costs - as ordinarily budgeted but excluding transfers as dealt with below:				
EXCESS (shortfall)	(16,705)	(16,794)	(41,229)	(7,685)
NET EFFECT OF TRANSFERS "(To)" and "From" "Appropriations" and "Reserves".	15,000	15,000	16,500	-
REPORTED OR BUDGETED EXCESS OR (SHORTFALL) ON ANCILLARY ENTERPRISE.	(1,705)	(1,794)	(24,729)	(7,685)

(1) Those enterprises that are not directly related to the educational functions of the university, but are undertaken or operated to provide services to faculty and students. For purposes of illustration, operations which may be recognized as ancillary enterprises are student residences, student unions, parking facilities, cafeterias, alumni services, dining halls, book stores, university presses, intercollegiate and intramural athletics, health services (except portion provided as part of counselling or advisory services) etc.









## FULL-TIME FACULTY APPOINTMENTS DURING PERIOD SEPTEMBER 15th, 1969 TO SEPTEMBER 15th, 1970

This return is requested in order to update the Citizenship Analysis of University Faculty carried out by the C.P.U.O in early 1970. Please note that discipline areas (and programs included within such areas) remain those of the Dominion Bureau of Statistics.

TOTAL	DISCIPLINE AREA	CANADA	UNITED STATES	UNITED KINGDOM	OTHER COMMON-WEALTH	FRANCE	OTHER
28	- Country of Residence in Year Previous to Appointment	15	6	3	2	-	2
28	- Citizenship Status at date of Appointment	12	3	10	2	1	-
28	- Citizenship Status at birth	8	4	10	2	1	3
28	- Country of 1st Degree	10	4	10	2	1	1
28	- Country of last Degree	9	5	12	-	1	1

BREAKDOWN BY DISCIPLINE AREAFACULTY ADMINISTRATION

- Country of Residence in Year Previous to Appointment
- Citizenship Status at date of Appointment
- Citizenship Status at birth
- Country of 1st Degree
- Country of last Degree

HUMANITIES (English, French, Classics, Spanish, History, Philosophy)

- Pure
- Country of Residence in Year Previous to Appointment
- Citizenship Status at date of Appointment
- Citizenship Status at birth
- Country of 1st Degree
- Country of last Degree

Applied

- Country of Residence in Year Previous to Appointment
- Citizenship Status at date of Appointment
- Citizenship Status at birth
- Country of 1st Degree
- Country of last Degree

SOCIAL SCIENCE (Sociology, Psychology, Economics, Geography, Politics, Indian-Eskimo)

- Pure
- Country of Residence in Year Previous to Appointment
- Citizenship Status at date of Appointment
- Citizenship Status at birth
- Country of 1st Degree
- Country of last Degree

The Option To Omit Breakdown  
By Discipline Was Chosen







TO 1975-76

Instructions:

1. Please complete this report in a manner consistent with the enrolment categorization scheme and definitions reflected on the regular D.U.A. Enrolment Reports (Forms UA3). Note particularly, however, the precise requirement under item (i) which is for registration in the 1st University year subsequent to Grade 13 into undergraduate degree Programs only.
2. For the University of Guelph and The University of Waterloo, separate reports are requested representing "Fall Term, on campus", Fall Term "on and off" campus (Waterloo), and Equivalent Full-Time (Adjustment for Co-operative and Trimester Systems) bases for enrolment.
3. For constituent Universities with Federated or Affiliated Institutions, Full-Time Enrolment must take into account net teaching service performed for these Institutions, and will therefore be stated in terms of F.T.E. for teaching services performed (Toronto, Waterloo, Western and Laurentian).
4. Enrolments in university programmes in education should be excluded from total University figures provided but should be reported on a separate Form CUA-70-L.

1970-71 (Estimate)	1971-72	1972-73	1973-74	1974-75	1975-76
(i) Full-Time "Freshman Intake" (i.e. 1st Year Undergraduate Degree)					
680	758	853	920	964	1,080
(ii) Total Full-Time Undergraduate (including diploma and other non-degree and make-up or qualifying year)					
1,622	1,737	1,996	2,257	2,499	2,815
(iii) Total Graduate (Fall-Term)					
11	13	29	43	51	55
(iv) Total Full-Time Enrolment (ii plus iii)					
1,633	1,750	2,025	2,300	2,550	2,870
(v) F.T.E. of Part-Time Enrolment using Formula Conversion Factors (including "Summer School" Graduate Students)					
220	250	275	300	350	380
(vi) F.T.E. Enrolment (iv plus v)					
1,853	2,000	2,300	2,600	2,900	3,250
(vii) Total Basic Income Units Under Formula (i.e. Total Weighted Enrolment)					
2,195	2,385	2,775	3,170	3,545	3,965

Explanatory Comments outlining variations in above enrolment data as compared with similar forecasts submitted Fall, 1969 (Please deal with both the quantitative parameters of these variations and the reasons for them):









PROBABLE CUMULATIVE 5 YEAR CASH FLOW FOR FORMULA CAPITAL PROJECTS WITH FINAL APPROVALS

CUA/70/M-1

(SUBSEQUENT TO APRIL 1 - 1969 AND BY MARCH 31 - 1971)

TRENT  
University

Project No.	Project Name	In \$ 000's		Cash Flow of Financial Assistance in \$ 000's						REMARKS
		Approved Total Expenditure	Total Financial Assistance	1969 - 70	1970 - 71	1971 - 72	1972 - 73	1973 - 74	1974 - 75	
TR 25	College V (Revised) Academic Portion	\$ 2,800	\$ 2,800	\$ -	\$ 300	\$ 1,800	\$ 2,800	\$ 2,800	\$ 2,800	
-	Extensions to Biology Building: -									
	- Registrar, Part-Time Studies & Faculty Offices	235	235	-	100	235	235	235	235	
TR 32	- Animal care facility	125	125	-	50	125	125	125	125	
		<u>\$ 3,160</u>	<u>\$ 3,160</u>	<u>\$ -</u>	<u>\$ 450</u>	<u>\$ 2,160</u>	<u>\$ 3,160</u>	<u>\$ 3,160</u>	<u>\$ 3,160</u>	



PROBABLE YEARLY 5 YEAR CASH FLOW FOR "FORMULA" CAPITAL PROJECTS WITH FINAL APPROVALS

CUA/70/M-2

(PRIOR TO MARCH 31 - 1969)

TRENT  
University

Project No.	(list only those projects requiring additional funds)  Project Name	In \$ 000's			Balance of Financial Assistance in \$ 000's					REMARKS
		Approved Total Expenditure	Total Financial Assistance	Probable Financial Assistance to March 31/71	1971 - 72	1972 - 73	1973 - 74	1974 - 75	Subsequent	
				N/A						

Ontario Department of University Affairs - Architectural Services Branch



PROBABLE YEARLY 5 YEAR CASH FLOW FOR "NON-FORMULA" CAPITAL PROJECTS WITH FINAL APPROVALS

CUA/70/M-3

(AS OF MARCH 31 - 1971)

Project No.	(list only those projects requiring additional funds) Project Name	In \$ 000's		Balance of Financial Assistance In \$ 000's						REMARKS (list formula project which correlates)
		Approved Total Expenditure	Total Financial Assistance	Probable Financial Assistance to March 31/71	1971 - 72	1972 - 73	1973 - 74	1974 - 75	Subsequent	
29	Renovations 1970-1971	\$ 178	\$ 169	\$ 169	\$					
30	Site Services	175	166	86	80					General Campus Development
34	Repairs and Replacements	30	28	28						
35	Land - Nassau Campus	194	184	184						
		577	547	467	80					
31	Nassau Power Station	210	210	200	10					Subsidiary Power
	Land - Robinson College	45	45	45	-					
	Alterations - Biology Bldg.	25	25	25	-					
	Site Services - Biology Building	25	25	25	-					
	- College V	435	435	* 35	400					College V
	Peter Robinson College Residence Development									
	- Loose furniture and Site Services	40	40	40	-					Town House Complex
		1,357	1,327	837	490					

Ontario Department of University Affairs - Architectural Services Branch





PROPOSED CUMULATIVE 5 YEAR CASH FLOW FOR ADDITIONAL PROJECTS

CUA/70/M-4

FOR INTERIM CAPITAL FORMULA ENTITLEMENT

TRENT  
University

(All Amounts In \$ 000's)

REMARKS		Probable Cumulative Cash Flow Of Financial Assistance										* Estimated
		1971 - 72	1972 - 73	1973 - 74	1974 - 75	1975 - 76						*
Interim Formula Cumulative Cash Flow Entitlement As Per May 1st, 1970												
Total of Probable Cumulative Cash Flow For Formula Projects With Approvals As Of March 31 - 1971 (Table M-1)												
Project No.	Project Name	Approval Status	Approval Date of Last Approval	Estimated Total Expenditure	Total Financial Assistance	999	914	1,766	2,623	3,540	Balance	
-	Lecture & Laboratory Building			\$ 2,000	\$ 2,000	100	350	1,500	2,000	2,000		
						899	564	266	623	1,540	Balance	
-	Physical Training Building			2,000	2,000	100	350	1,500	2,000	2,000		
						799	214	(1,234)	(1,377)	(460)	Balance	
											Balance	
											Balance	
											Balance	
											Balance	
											Balance	
											Balance	
											Balance	
											Balance	
											Balance	
											Balance	

Ontario Department of University Affairs - Architectural Services Branch



PROBABLE YEARLY 5 YEAR CASH FLOW FOR ADDITIONAL "NON-FOUNDA" CAPITAL PROJECTS

CUA/70/M-5

TRENT  
University

Project No.	Project Name	Approval Status	In \$ 000's			Balance of Financial Assistance In \$ 000's					REMARKS (list formula project which correlates)
			Approved Total Expenditure	Total Financial Assistance	Probable Financial Assistance to March 31/71	1971-72	1972-73	1973-74	1974-75	Subsequent	
	Alterations	-	\$ 250		-	\$ 100	\$ 150	\$	\$	-	See Note
	Site Services - General	-	240			60	60	60	60	\$60/Year	Primarily East Campus
	- Lecture & Lab. Bldg.	-	200					150	50	-	
	- Physical Training Bldg.	-	300					300			
	Additional Land Costs (Est.)		50			50					Legal fees & Addl. settlement costs
	Residence Furniture		250			50	200				Re College V
	Utilities - Vehicle Bridge		100			75	25				Re College V
	Rubidge Hall - Replacement (Note)		<u>1,600</u>			<u>100</u>	<u>1,000</u>	<u>500</u>		-	See Note
			<u>\$ 2,990</u>			<u>\$ 435</u>	<u>\$ 1,435</u>	<u>\$1,010</u>	<u>\$ 110</u>		
	<p>NOTE: Renovations estimates provide for phasing out of Rubidge Hall by September, 1972. Rubidge Hall replacement costs provide for the additional faculty offices in the subsequent period along with a services building - Costs to be phased over a 2 - 3 year period and providing for the replacement of approximately 30,000 N.A.S.F. presently available at Rubidge Hall.</p>										

Ontario Department of University Affairs - Architectural Services Branch



## TRENT UNIVERSITY

## ESTIMATED INTERIM CAPITAL FORMULA ENTITLEMENTS

1970-71 to 1975-76

<u>Estimated Weighted Enrolment</u>	<u>Enrolment Projection</u>	<u>Average Weighting Ratio</u>	<u>Weighted Enrolment</u>
<u>1970-1971</u>			
Full-Time (Form L)	1,622	1.05	1,703
Part-Time (Form L)	220	1.0	220
Graduate (Form DUA-70-N)	11	( 10 @ 3.0 ( 1 @ 1.5	30 2
	<u>1,853</u>		<u>1,955</u>
<u>1971-1972</u>			
Full-Time	1,737	1.05	1,824
Part-Time	250	1.0	250
Graduate	13	( 10 @ 3.0 ( 3 @ 1.0	30 3
	<u>2,000</u>		<u>2,107</u>
<u>1972-1973</u>			
Full-Time	1,996	1.05	2,096
Part-Time	275	1.0	275
Graduate	29	( 21 @ 3.0 ( 8 @ 1.5	63 12
	<u>2,300</u>		<u>2,446</u>
<u>1973-1974</u>			
Full-Time	2,257	1.05	2,370
Part-Time	300	1.0	300
Graduate	43	( 31 @ 3.0 ( 12 @ 1.5	93 18
	<u>2,600</u>		<u>2,781</u>
<u>1974-1975</u>			
Full-Time	2,499	1.05	2,624
Part-Time	350	1.0	350
Graduate	51	( 36 @ 3.0 ( 15 @ 1.5	108 23
	<u>2,900</u>		<u>3,105</u>
<u>1975-1976</u>			
Full-Time	2,815	1.05	2,956
Part-Time	380	1.0	380
Graduate	55	( 40 @ 3.0 ( 15 @ 1.5	120 23
	<u>3,250</u>		<u>3,479</u>

- NOTES: 1. Estimates are based on December 1 enrolment projections.  
 2. Full-time undergraduate enrolment weights are based on 1969-1970 averages and will be updated as of December 1, 1970.









TRENT UNIVERSITYRESIDENCE REQUIREMENTS1970-1971 to 1975-1976

<u>Residence Requirements</u>	<u>1970-1971</u>	<u>1971-1972</u>	<u>1972-1973</u>	<u>1973-1974</u>	<u>1974-1975</u>	<u>1975-1976</u>
Enrolment (full-time)	1,633	1,750	2,025	2,300	2,550	2,870
Less: Peterborough (est.)	<u>200</u>	<u>220</u>	<u>240</u>	<u>260</u>	<u>275</u>	<u>300</u>
<u>Total Accommodation Required</u>	<u>1,433</u>	<u>1,530</u>	<u>1,785</u>	<u>2,040</u>	<u>2,275</u>	<u>2,570</u>
Estimated lodgings available-(of satisfactory standard)	<u>733</u>	<u>730</u>	<u>785</u>	<u>800</u>	<u>837</u>	<u>870</u>
<u>Residence Required</u>	<u>700</u>	<u>800</u>	<u>1,000</u>	<u>1,240</u>	<u>1,438</u>	<u>1,700</u>
<u>Proposed Building Programme</u>						
Beds presently available	700	685	685	685	685	685
Peter Robinson College - Town House Complex	-	96	96	96	96	96
College V (3 Wings)	-	-	169	338	507	507
Lady Eaton College - Residence addition	-	-	-	150	150	150
Additional beds	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>262</u>
	<u>700</u>	<u>781</u>	<u>950</u>	<u>1,269</u>	<u>1,438</u>	<u>1,700</u>
Estimated Surplus (Shortage)	<u>-</u>	<u>(19)</u>	<u>(50)</u>	<u>29</u>	<u>-</u>	<u>-</u>
% Residence/Enrolment	<u>43%</u>	<u>45%</u>	<u>47%</u>	<u>55%</u>	<u>56%</u>	<u>59%</u>



POPULATION STATISTICSCITY OF PETERBOROUGH

YEAR	POPULATION (ASSESSED)	CHANGE	% CHANGE
1950	35,682		
1951	36,716	1,030	2.89
1952	37,192	476	1.30
1953	38,998	1,806	4.86
1954	39,348	350	0.90
1955	41,388	2,040	5.18
1956	42,022	634	1.53
1957	43,682	1,660	3.95
1958	44,843	1,161	2.66
1959	45,365	522	1.16
1960	46,592	1,227	2.70
1961	46,988	396	0.85
1962	47,324	336	0.71
1963	51,863	4,539	9.59
1964	52,799	936	1.80
1965	54,041	1,242	2.35
1966	54,706	665	1.23
1967	55,097	391	0.71
1968	55,422	325	0.59
1969	55,965	543	0.98

Average Annual Growth Rate:

(a) Past five (5) year period 1963-1969 = 1.17%

(b) Past ten (10) year period excluding 1962-63 increase:  
1958-1969 = 1.31%

(c) Past fifteen (15) year period excluding 1962-63 increase:  
1953-1969 = 1.82%







